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Exhibit A
Annotated Copy of Claims 52, 54, 55, and 59

52. (amended) An athermal optical device comprising:
a negative expansion substrate having an upper surface; and
a thermally sensitive, positive expansion optical component
affixed to the substrate upper surface at at least two spaced apart locations;
wherein [The device according to claim 51, in which] the optical
component is an optical fiber grating.

54. (amended) An athermal optical fiber grating device comprising:[]
a negative expansion substrate having an upper surface and
first and second ends;
an optical fiber affixed to the substrate upper surface at at
least two spaced apart locations; and
a grating defined in the optical fiber between and at a distance
from each substrate end;

wherein the substrate provides thermal compensation to the grating.

55. (amended) An athermal optical fiber grating device comprising:
a negative expansion substrate having an upper surface and
first and second ends;
an optical fiber affixed to the substrate upper surface at at
least two spaced apart locations; and
a grating defined in the optical fiber between and at a distance
from each substrate end;

wherein [The device according to claim 54, in which the optical fiber
is affixed to the substrate upper surface at] the at least two spaced apart
locations comprise first and second spaced apart locations, the first location
[is] being between the grating and the first substrate end and the second
location [is] being between the grating and the second substrate end.

59. (amended) An athermal optical fiber grating device comprising:
a negative expansion substrate having an upper surface and
first and second ends;
an optical fiber affixed to the substrate upper surface at at
least two spaced apart locations; and
a grating defined in the optical fiber between and at a distance
from each substrate end;

wherein:

(a) the at least two spaced apart locations comprise first and
second spaced apart locations, the first location being between the grating
and the first substrate end and the second location being between the
grating and the second substrate end; and

(b) [The] the device [according to claim 55,] further [comprising]
comprises a bonding pad having a coefficient of expansion intermediate
between that of the fiber and the substrate mounted between the optical
fiber and the substrate at each of the first and second locations, the optical
fiber being bonded to each bonding pad and each bonding pad being affixed
to the substrate.